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Notice of Allowability	Application No.	Applicant(s)	
	10/776,074	MOMTAZ, AFSHIN	
	Examiner	Art Unit	
	Cassandra Cox	2816	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to after final amendment filed on 11/22/06.
2. The allowed claim(s) is/are 1,3,6-12,14,15,17-20 and 22-37.
3. The drawings filed on 27 May 2005 are accepted by the Examiner.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some*
 - c) None
 of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

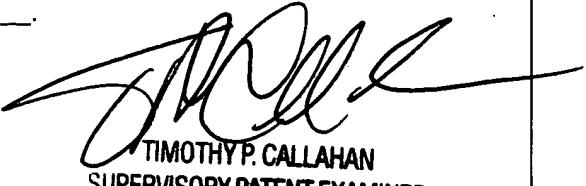
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.



TIMOTHY P. CALLAHAN
 SUPERVISORY PATENT EXAMINER
 TECHNOLOGY CENTER 2800
 Part of Paper Number 2800 Date 20061210

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows: In line 5 of claim 15 after "and a" the word --given--has been inserted.

In line 8 of claim 15 after "substantially the" the word --given-- has been inserted.

In line 5 of claim 19 after "and a" the word --given--has been inserted.

In line 8 of claim 19 after "substantially the" the word --given-- has been inserted.

These amendments were made in order to place the case in condition for allowance. They were also based on the applicant's statement in the remarks filed 11/22/06 on page 11, lines 13-19 that independent claims 1, 10, 15, and 19 had been amended to overcome the 112 rejection. Claims 1 and 10 were so amended, but it appears that claims 15 and 19 were accidentally not amended in a similar manner.

Allowable Subject Matter

2. Claims 1, 3, 6-12, 14-15, 17-20, and 22-37 are allowed.
3. The following is an examiner's statement of reasons for allowance: Claims 1, 6, 15, 19-20, and 24-29 are allowed because the closest prior art of record fails to disclose a circuit as shown in Figure 8 wherein the high speed flip flop comprises a high speed

Art Unit: 2816

latch (710) and a low speed latch (720) in combination with the rest of the limitations of the base claims and any intervening claims. Claims 3, 9, 17, and 22 are allowed because the closest prior art of record fails to disclose a circuit as shown in Figure 8 wherein the circuit comprises an inductive load (L1, L2) for the first flip flop (710) in combination with the rest of the limitations of the base claims and any intervening claims. Claims 7, 18, and 23 are allowed because the closest prior art of record fails to disclose a circuit as shown in Figure 8 wherein the first, second, and output signal comprise differential signals in combination with the rest of the limitations of the base claims and any intervening claims. Claims 8 and 30-31 are allowed because the closest prior art of record fails to disclose a circuit as shown in Figure 8 wherein the high speed flip flop comprises a high speed latch (710) and a low speed latch (720) in combination with the rest of the limitations of the base claims and any intervening claims. Claims 10-12, 14, and 32-37 are allowed because the closest prior art of record fails to disclose a circuit as shown in Figure 8 wherein the first, second, and output signal comprise differential signals in combination with the rest of the limitations of the base claims and any intervening claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cassandra Cox whose telephone number is 571-272-1741. The examiner can normally be reached on Monday-Thursday from 7:00 AM to 4:30 PM and on alternate Fridays from 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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December 10, 2006